In the Claims

1. (currently amended) An ink jet ink comprising at least one compound selected from the group
consisting of
a) the dialkyl hydroxylamine stabilizers and
b) the nitrone stabilizers
or
an ink jet systemrecording material comprising a recording material and at least one colored
ink to be applied to the recording material by means of an ink jet nozzle, wherein the recording
material or the at least one colored ink comprises at least one compound selected from the group
consisting of
a) the dialkyl hydroxylamine stabilizers and
b) the nitrone stabilizers
where the dialkyl hydroxylamine stabilizers are of the formula
R₁R₂N-OH
where

 R_1 is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_1 is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbons atoms, halogen, cyano, E_1O_- , E_1CO_- , E_1CO_- , E_1SO_- , E_1S

 R_2 is hydrogen or independently has the same meaning as R_1 , where at least one of R_1 and R_2 contains a hydrogen alpha to the -NOH moiety; and

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

with the proviso that diethyl hydroxylamine is excluded.

2. (currently amended) An ink jet ink or ink jet <u>systemrecording material</u> according to claim 1 which comprises at least one compound selected from the group consisting of the dialkyl hydroxylamine stabilizers.

3. (canceled)

4. (currently amended) An ink jet ink or ink jet <u>systemrecording material</u> according to claim 2 where the dialkyl hydroxylamine stabilizers are selected from the group consisting of N,N-dibenzylhydroxylamine, N,N-dimethylhydroxylamine, N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-bis(2-carboxyethyl)hydroxylamine, N,N-bis(benzylthiomethyl)hydroxylamine, N,N-dioctylhydroxylamine, N,N-dilaurylhydroxylamine, N,N-didodecylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-dihexadecylhydroxylamine, N,N-dioctadecylhydroxylamine, N-hexadecyl-N-beptadecylhydroxylamine, N-hexadecyl-N-octadecylhydroxylamine, N-methyl-N-octadecylhydroxylamine, N,N-di(hydrogenated tallow)hydroxylamine,

$$\begin{bmatrix} C_6F_{13} & S & \\ & & & \\ & & & \\ & & & \end{bmatrix}$$
 OH $\begin{bmatrix} HO & O & \\ & & &$

$$\begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH}, \quad \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH}, \quad \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH}$$

$$\begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \\ \end{bmatrix}^{N-OH} \begin{bmatrix} \\ \\ \end{bmatrix}^{$$

where n = 2 to 200.

- **5.** (currently amended) An ink jet ink or ink jet <u>systemrecording material</u> according to claim **2** where the dialkyl hydroxylamine stabilizers are N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxylamine or N,N-di(hydrogenated tallow)hydroxylamine.
- **6.** (currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim **1** which comprises at least one compound selected from the group consisting of the nitrone stabilizers.
- 7. (currently amended) An ink jet ink or ink jet system recording material according to claim 6 where the nitrone stabilizers are of the formula

$$R_2 \longrightarrow N$$
 R_3

wherein

 R_1 is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_1 is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E_1O_- , E_1CO_- , $M^+O^-CO_-$, E_1CO_- , E_1CO_- , E_1SO_- , $E_$

R₂ is hydrogen or independently has the same meaning as R₁; or

 R_1 and R_2 together form a C_{2-12} heterocyclic ring which is unsubstituted or is substituted by one to three three alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbon atoms, halogen, cyano, E_1O_- , E_1CO_- , $M^+O^-CO_-$, E_1CO_- , E_1CO_- , E_1S_-

M⁺ is a mono-, di- or tri-valent metal cation;

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

R₃ independently has the same meaning as R₁;

or the nitrones are of the formula

wherein

E is hydrogen, oxyl, hydroxyl, alkyl of 1 to 18 carbon atoms, alkenyl of 3 to 18 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, hydroxyalkyl of 2 to 6 carbon atoms, alkoxyalkyl of 2 to 20 carbon atoms, alkanoyl of 1 to 18 carbon atoms, alkoxy of 1 to 18 carbon atoms, cycloalkoxy of 5 to 12 carbon atoms, aryloxy of 6 to 10 carbon atoms, hydroxyalkoxy of 2 to 6 carbon atoms, alkoxyalkoxy of 2 to 20 carbon atoms, aralkoxy of 7 to 15 carbon atoms or a bicyclo or tricycloaliphatic oxy radical of 7 to 12 carbon atoms,

 R_4 and R_5 are independently alkyl of 1 to 4 carbon atoms or together R_3 and R_4 are pentamethylene,

n is 1, 2, 3 or 4,

when n is 1, T is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, aralkyl of 7 to 9 carbon atoms or aralkyl of 7 to 9 carbon atoms substituted by alkyl of 1 to 4 carbon atoms or by one or two halogen atoms, said alkyl interrupted by one or more oxygen atoms, cyanoethyl, alkenyl of 3 to 8 carbon atoms, alkoxycarbonylalkyl of 4 to 36 carbon atoms where alkyl is of 1 to 4 carbon atoms.

when n is 2, T is alkylene of 2 to 12 carbon atoms, arylene of 6 to 10 carbon atoms, xylylene, - CH₂CHOHCH₂-, -CH₂CHOHCH₂-O-G₁-O-CH₂CHOHCH₂-, -CH₂-phenylene-COO-G₁-OCO-phenylene-CH₂- or -CH₂-phenylene-CH₂-OCO-G₁-COO-CH₂-phenylene-CH₂-,

 G_1 is alkylene of 2 to 12 carbon atoms, arylene of 6 to 10 carbon atoms or cycloalkylene of 6 to 12 carbon atoms,

when n is 3, T is alkanetriyl of 3 to 6 carbon atoms, or is
$$\begin{array}{c} H_3C \\ CH_2 \\ CH_2 \\ CH_2 \end{array}$$
 , and

when n is 4, T is alkanetetrayl of 4 to 6 carbon atoms,

 G_3 is a direct bond, -OCO-(C_qH_{2q}) $_q$ -, -OCO-phenylene-CH $_2$ -, -NG $_4$ -CO-(C_qH_{2q}) $_q$ - or -NG $_4$ -CO-phenylene-CH $_2$ - where q is 1 to 12,

G₄ is hydrogen, alkyl of 1 to 8 carbon atoms or phenyl,

m is 1 or 2,

when m is 1, G_2 is alkyl of 1 to 36 carbon atoms, said alkyl interrupted by one or more oxygen atoms, cyanomethyl, cycloalkyl of 6 to 8 carbon atoms, alkenyl of 2 to 8 carbon atoms, aryl of 6 to 10 carbon atoms, or aryl of 6 to 10 carbon atoms substituted by alkyl of 1 to 4 carbon atoms or by one or two halogen atoms, or alkoxycarbonylalkyl of 4 to 36 carbon atoms where alkyl is of 1 to 4 carbon atoms, and

when m is 2, G₂ is alkylene of 2 to 12 carbon atoms or arylene of 6 to 10 carbon atoms,

X and X₁ are independently Q-G, where Q is -O-, -COO-, -OCO- or -NR₆-,

 R_6 is hydrogen, alkyl of 1 to 8 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, cyanoethyl, aryl of 6 to 10 carbon atoms, aralkyl of 7 to 15 carbon atoms or -CH₂CHR₇OH, and R₇ is hydrogen, methyl or phenyl, with Q being attached to the piperidinyl ring,

G is alkylene of 1 to 4 carbon atoms, arylene of 6 to 10 carbon atoms or arylene-alkylene of 7 to 15 carbon atoms,

R₈ and R₉ are independently hydrogen or alkyl of 1 to 8 carbon atoms, and

L and L₁ are independently -CO-alkylene of 2 to 5 carbon atoms or -CO-phenylene-with the carbonyl group being attached to the N atom.

8. (currently amended) An ink jet ink or ink jet <u>systemrecording material</u> according to claim 6 where the nitrone stabilizers are selected from the group consisting of N-benzyl- α -phenylnitrone, N-ethyl- α -methylnitrone, N-octyl- α -heptylnitrone, N-lauryl- α -undecylnitrone, N-tetradecyl- α -tridcylnitrone, N-hexadecyl- α -pentadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-hexadecyl- α -heptadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-methyl- α -heptadecylnitrone, the nitrone derived from N,N-di(hydrogenated tallow)hydroxylamine, N-benzyl- α -methylnitrone, N-butyl- α -propylnitrone,

- 9. (currently amended) An ink jet ink or ink jet $\underline{\text{system}}_{\text{recording material}}$ according to claim 6 where the nitrone stabilizers are N-benzyl- α -phenylnitrone or N-ethyl- α -methylnitrone.
- **10.** (currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim **7** in which E is hydrogen, hydroxyl, alkyl of 1 to 12 carbon atoms, alkyl, benzyl, alkanoyl of 2 to 4 carbon atoms, alkoxy of 1 to 12 carbon atoms, cyclohexyloxy or alpha-methylbenzyloxy.
- 11. (currently amended) An ink jet ink or ink jet system recording material according to claim 7 in which

R₄ and R₅ are each methyl,

when n is 1, T is hydrogen, alkyl of 1 to 18 carbon atoms, benzyl or alkoxycarbonylalkyl of 4 to 18 carbon atoms where the alkyl is of 2 to 4 carbon atoms,

when n is 2, T is alkylene of 2 to 8 carbon atoms or is p-xylylene,

when n is 3, T is glyceryl,

when n is 4, T is pentaerythrityl,

G₃ is a direct bond,

G₄ is hydrogen,

when m is 1, G₂ is alkyl of 1 to 12 carbon atoms or phenyl,

when m is 2, G₂ is alkylene of 3 to 8 carbon atoms or phenylene,

X and X_1 are the same,

R₈ and R₉ are each hydrogen, and

L and L_1 are the same and are -CO-CH₂- or -CO-phenylene-.

12. (currently amended) An ink jet ink or ink jet <u>systemrecording-material</u> according to claim **6** where the nitrone stabilizers are selected from the group consisting of α -phenyl-N-(2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -phenyl-N-(1,2,2,6,6-pentamethylpiperidin-4-yl)nitrone, α -phenyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4yl)nitrone, α -phenyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone], N-benzyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -isopropyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -isopropyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone], α -n-propyl-N-(1-acetyl-2,2,6,6-tetramethylpiperidin-4-yl)nitrone and α -[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone and α -[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl

13-18. (canceled)

(currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim 1 comprising

at least one compound selected from the group consisting of a) the dialkyl hydroxylamine stabilizers and at least one compound selected from the group consisting of b) the nitrone stabilizers.

- **20.** (previously presented) An ink jet ink according to claim **1** which comprises about 0.01 to about 30% by weight of at least one compound selected from the group consisting of components a) and b), based on the weight of the ink jet ink.
- **21.** (currently amended) An ink jet <u>systemrecording material</u> according to claim 1, wherein the <u>recording material which</u> comprises about 1 to about 10000 mg/m² of at least one compound selected from the group consisting of components a) and b).
- 22. (currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines, the benzophenones, the α -cyanoacrylates, the oxanilides, the benzoxazinones, the benzoates and the α -alkyl cinnamates.
- **23.** (currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines and the benzophenones.
- 24. (currently amended) An ink jet ink or ink jet <u>system</u>recording material according to claim 1 further comprising a UV absorber selected from the group consisting of

5-chloro-2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;

- 2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3,5-di-tert-amylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3,5-di- α -cumylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3- α -cumyl-5-tert-octylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-5-tert-octylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-5-methylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-2H-benzotriazole-5-sulfonic acid, sodium salt;
- 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamic acid;
- 12-hydroxy-3,6,9-trioxadodecyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate:
 - octyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
- 2-(3-t-butyl-2-hydroxy-5-(2-(ω-hydroxy-octa-(ethyleneoxy)carbonyl-ethyl)-phenyl)-2H-benzotriazole;
 - 4,6-bis(2,4-dimethylphenyl)-2-(4-octyloxy-2-hydroxyphenyl)-s-triazine;
 - 2,4-bis(2-hydroxy-4-butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl)-1,3,5-triazine;
- 2-[4-(dodecyloxy/tridecyloxy-2-hydroxypropoxy)-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)1,3,5-triazine;

the reaction product of tris(2,4-dihydroxyphenyl)-1,3,5-triazine with the mixture of α -chloropropionic esters (made from isomer mixture of C₇-C₉alcohols);

- 2,4-dihydroxybenzophenone;
- 2,2',4,4'-tetrahydroxy-5,5'-disulfobenzophenone, disodium salt;
- 2-hydroxy-4-octyloxybenzophenone;
- 2-hydroxy-4-dodecyloxybenzophenone;
- 2,4-dihydroxybenzophenone-5-sulfonic acid and salts thereof;
- 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid and salts thereof;
- 2,2'-dihydroxy-4,4'dimethoxybenzophenone-5,5'-disodium sulfonate;
- 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-sec-butylbenzenesulfonic acid, sodium salt; and
- 2-(2'-hydroxy-3'-tert-butyl-5'-polyglycolpropionate-phenyl)benzotriazole.

25. (canceled)

26. (previously presented) A process for stabilizing ink jet prints which comprises applying to a recording material for ink jet printing an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent and at least one compound selected from the group consisting of

- a) the dialkyl hydroxylamine stabilizers and
- b) the nitrone stabilizers and

drying said recording material

where the dialkyl hydroxylamine stabilizers are of the formula

R₁R₂N-OH

where

 R_1 is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_1 is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbons atoms, halogen, cyano, E_1O_- , E_1CO_- , E_1CO_- , E_1SO_- , E_1S

 R_2 is hydrogen or independently has the same meaning as R_1 , where at least one of R_1 and R_2 contains a hydrogen alpha to the -NOH moiety; and

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

with the proviso that diethyl hydroxylamine is excluded.

- 27. (previously presented) A process for stabilizing ink jet prints which comprises applying to a recording material for ink jet printing a casting or coating dispersion or an aqueous or organic solution comprising at least one compound selected from the group consisting of
 - a) the dialkyl hydroxylamine stabilizers and
 - b) the nitrone stabilizers and

further applying either an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent; or an ink composition comprising a water soluble dye or a solution of a dye in an organic solvent and at least one compound selected from the group consisting of components a) and b) and drying said recording material

where the dialkyl hydroxylamine stabilizers are of the formula

R₁R₂N-OH

where

 R_1 is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_1 is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbons atoms, halogen, cyano, E_1O_- , E_1CO_- , E_1CO_- , E_1SO_- , E_1S

 R_2 is hydrogen or independently has the same meaning as R_1 , where at least one of R_1 and R_2 contains a hydrogen alpha to the -NOH moiety; and

 E_1 and E_2 independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E_1 and E_2 independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

with the proviso that diethyl hydroxylamine is excluded.

- 28. (new) An ink jet recording material which is coated with at least one layer which is able to absorb ink, which at least one layer comprises at least one compound selected from the group consisting of
 - a) the dialkyl hydroxylamine stabilizers and
 - b) the nitrone stabilizers

where the dialkyl hydroxylamine stabilizers are of the formula

R₁R₂N-OH

where

 R_1 is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_1 is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, perfluoroalkyl of 1 to 12 carbons atoms, halogen, cyano, E_1O_- , E_1CO_- , E_1CO_- , E_1CO_- , E_1CO_- , E_1SO_- , E_1S

 R_2 is hydrogen or independently has the same meaning as R_1 , where at least one of R_1 and R_2 contains a hydrogen alpha to the -NOH moiety; and

E₁ and E₂ independently are hydrogen, alkyl of 1 to 8 carbon atoms or alkyl of 1 to 8 carbon atoms substituted by one to three hydroxyl groups; or E₁ and E₂ independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

with the proviso that diethyl hydroxylamine is excluded.

29. (new) An ink jet ink recording material according to claim **28** which comprises at least one compound selected from the group consisting of the dialkyl hydroxylamine stabilizers.

30. (new) An ink jet recording material according to claim **29** where the dialkyl hydroxylamine stabilizers are selected from the group consisting of N,N-dibenzylhydroxylamine, N,N-dimethyl-hydroxylamine, N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-bis(2-carboxyethyl)hydroxylamine, N,N-bis(benzylthiomethyl)hydroxylamine, N,N-dioctylhydroxylamine, N,N-didodecylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-didodecylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-dihexadecylhydroxylamine, N,N-dioctadecylhydroxylamine, N-hexadecyl-N-heptadecylhydroxylamine, N-hexadecyl-N-octadecylhydroxylamine, N-methyl-N-octadecylhydroxylamine, N,N-di(hydrogenated tallow)hydroxylamine,

$$\begin{bmatrix} C_{6}F_{13} & & & \\ & & &$$

where n = 2 to 200.

- **31. (new)** An ink jet recording material according to claim **28** which comprises at least one compound selected from the group consisting of the nitrone stabilizers.
- 32. (new) An ink jet recording material according to claim 31 where the nitrone stabilizers are selected from the group consisting of N-benzyl- α -phenylnitrone, N-ethyl- α -methylnitrone, N-octyl- α -heptylnitrone, N-lauryl- α -undecylnitrone, N-tetradecyl- α -tridcylnitrone, N-hexadecyl- α -pentadecylnitrone, N-octadecyl- α -heptadecylnitrone, N-hexadecyl- α -heptadecylnitrone, N-hexadecyl- α -hexadecylnitrone, N-methyl- α -heptadecylnitrone, the nitrone derived from N,N-di(hydrogenated tallow)hydroxylamine, N-benzyl- α -methylnitrone, N-butyl- α -propylnitrone,

33. (new) An ink jet recording material according to claim **31** where the nitrone stabilizers are selected from the group consisting of α -phenyl-N-(2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -phenyl-

N-(1,2,2,6,6-pentamethylpiperidin-4-yl)nitrone, α -phenyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4yl)nitrone, α -phenyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4yl)nitrone, α , α '-p-phenylene-N,N'-bis[(2,2,6,6-tetramethylpiperidin-4-yl)nitrone], N-benzyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-ylidene)amine-N-oxide, α -n-propyl-N-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α -isopropyl-N-(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)nitrone, α , α '-tetramethylpiperidin-4-yl)nitrone, α -n-propyl-N-(1-acetyl-2,2,6,6-tetramethylpiperidin-4-yl)nitrone and α -[4-(1-cyclohexyloxy-2,2,6,6-tetramethylpiperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin-4-yloxycarbonyl)-phenyl]-N-[4-(1-cyclohexyloxy-2,2,6,6-tetramethyl-piperidin

34. (new) An ink jet recording material according to claim 28 comprising

at least one compound selected from the group consisting of a) the dialkyl hydroxylamine stabilizers and at least one compound selected from the group consisting of b) the nitrone stabilizers.

- **35. (new)** An ink jet recording material according to claim **28** which comprises about 1 to about 10000 mg/m² of at least one compound selected from the group consisting of components a) and b).
- **36.** (new) An ink jet recording material according to claim **28** further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines, the benzophenones, the α -cyanoacrylates, the oxanilides, the benzoxazinones, the benzoates and the α -alkyl cinnamates.
- **37. (new)** An ink jet recording material according to claim **28** further comprising a UV absorber selected from the group consisting of

5-chloro-2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;

2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;

2-(2-hydroxy-3,5-di-tert-amylphenyl)-2H-benzotriazole;

- 2-(2-hydroxy-3,5-di- α -cumylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3- α -cumyl-5-tert-octylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-5-tert-octylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-5-methylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-2H-benzotriazole-5-sulfonic acid, sodium salt;
- 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamic acid;
- 12-hydroxy-3,6,9-trioxadodecyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate:
 - octyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
- 2-(3-t-butyl-2-hydroxy-5-(2-(ω-hydroxy-octa-(ethyleneoxy)carbonyl-ethyl)-phenyl)-2H-benzotriazole;
 - 4,6-bis(2,4-dimethylphenyl)-2-(4-octyloxy-2-hydroxyphenyl)-s-triazine;
 - 2,4-bis(2-hydroxy-4-butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl)-1,3,5-triazine;
- 2-[4-(dodecyloxy/tridecyloxy-2-hydroxypropoxy)-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)1,3,5-triazine;

the reaction product of tris(2,4-dihydroxyphenyl)-1,3,5-triazine with the mixture of α -chloropropionic esters (made from isomer mixture of C_7 - C_9 alcohols);

- 2,4-dihydroxybenzophenone;
- 2,2',4,4'-tetrahydroxy-5,5'-disulfobenzophenone, disodium salt;
- 2-hydroxy-4-octyloxybenzophenone;
- 2-hydroxy-4-dodecyloxybenzophenone;
- 2,4-dihydroxybenzophenone-5-sulfonic acid and salts thereof;
- 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid and salts thereof;
- 2,2'-dihydroxy-4,4'dimethoxybenzophenone-5,5'-disodium sulfonate;
- 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-sec-butylbenzenesulfonic acid, sodium salt; and
- 2-(2'-hydroxy-3'-tert-butyl-5'-polyglycolpropionate-phenyl)benzotriazole.